INVENTOR(s): Atsushi Shozude, et al.; TITLE: "Optical Antireflection Film And Process For Forming The Same" ATTY. DOCKET NO. 19036/39398/US; Page 1 of 12 Marshall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

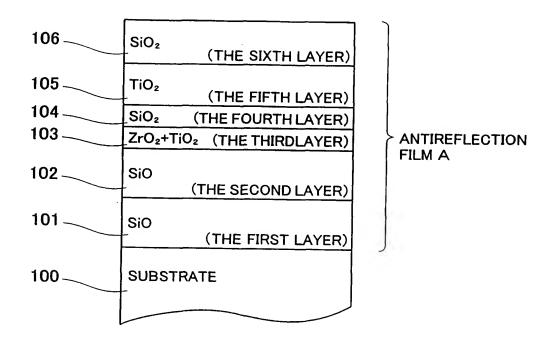


Fig. 1

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DESIGHNWAVELENGTH (nm)	510 کا	510 کا	510 عال	510 کا	510 کا	510 کا	510 کا	510 کا	510 کا	λ 510	510 کا	510 کا	510 عال	510 کا	አ 510	510 کا	510
OPTICAL THICKNESS	ν 0.589 λ	0.628 λ	0.092 λ	0.061 λ	ν 0.506 λ	0.247 λ	0.589 λ	0.628 λ	0.144 A	0.492 λ	0.249 A	ν 685.0	0.628 λ	0.058 A	0.054 A	0.466	0 243
REFRACTIVE NDEX PHYSICAL THICKNESS (nm) OPTICAL THICKNESS	200	200	23.65	21.48	109.77	86.85	200	200	45.08	126.08	92.32	200	200	14.73	19.02	117.33	85 77
REFRACTIVE INDEX	1.5021	1.6021	1.9899	1.4471	2.3483	1.4471	1.5021	1.6021	1.631	1.9899	1.3733	1.5021	1.6021	1.9899	1.4471	2.0251	1 4471
AYER COMPONENT	l SiO	2 SiO	$3 ZrO_2 + TiO_2$	4 SiO ₂	5 TiO ₂	6 SiO ₂	SiO	2 SiO	3 Al ₂ O ₃	4 ZrO ₂ +TiO ₂	5 MgF ₂	1 SiO	2 SiO	3 ZrO ₂ +TiO ₂	4 SiO ₂	5 TiO ₂	6 SiO,
LAKE		2	(,)	4	4,	9		7	(7)	4	3		2	65	4	2	9
	ANTIREFLECTION FILM A						ANTIREFLECTION FILM B					ANTIREFLECTION FILM C					

Fig. 2

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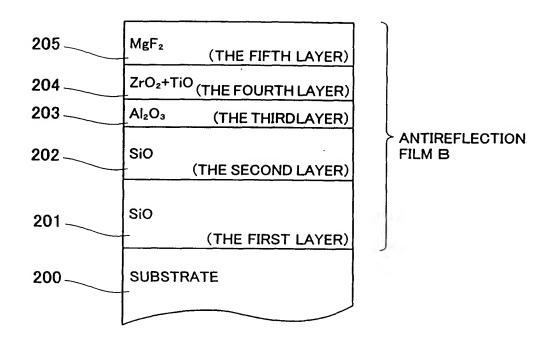


Fig. 3

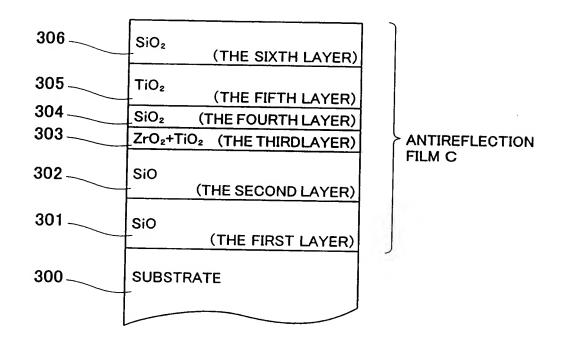


Fig. 4

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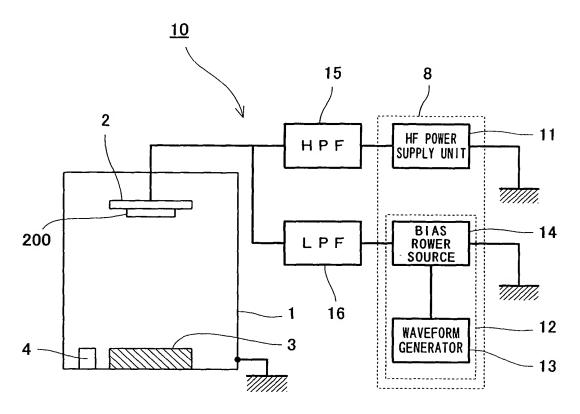


Fig. 5

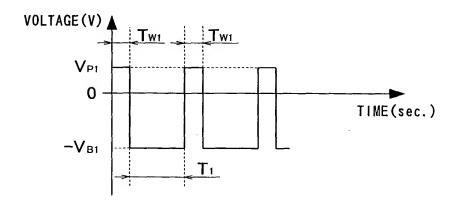


Fig. 6

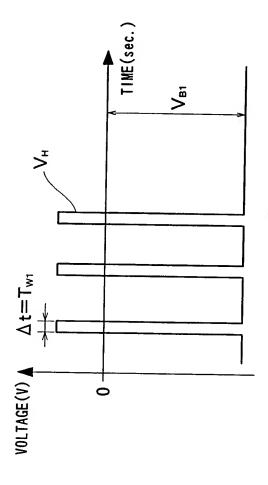
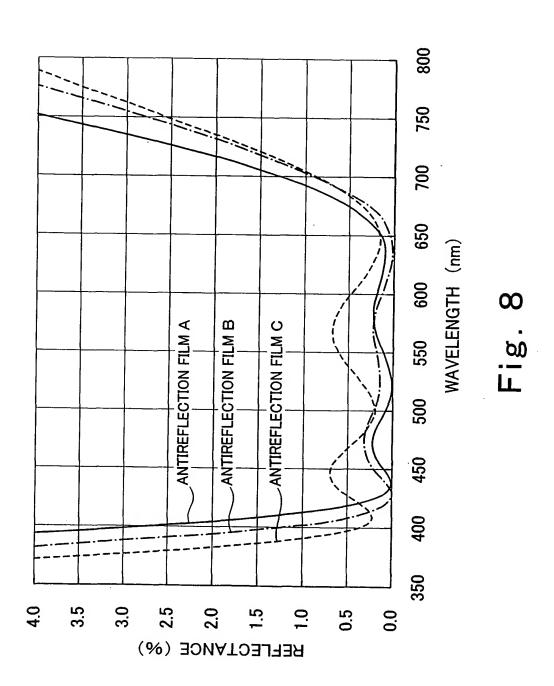


Fig. 7



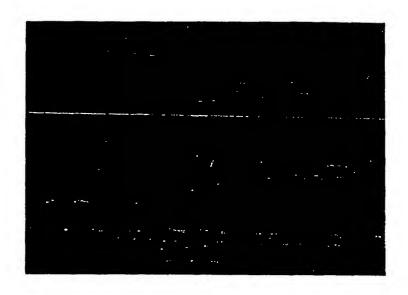


Fig. 9

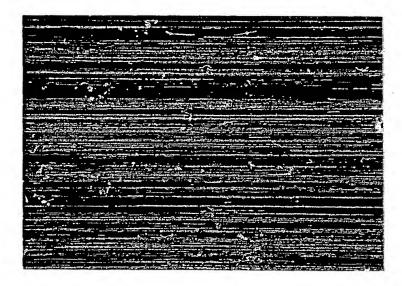


Fig. 10

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Fig. 11

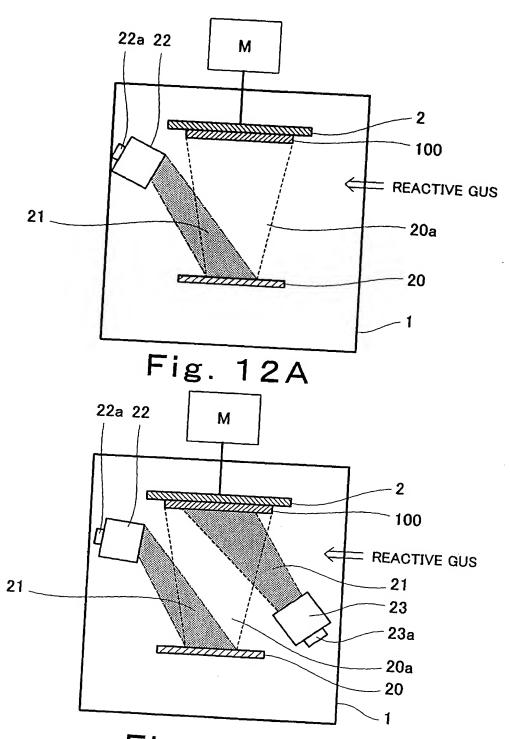
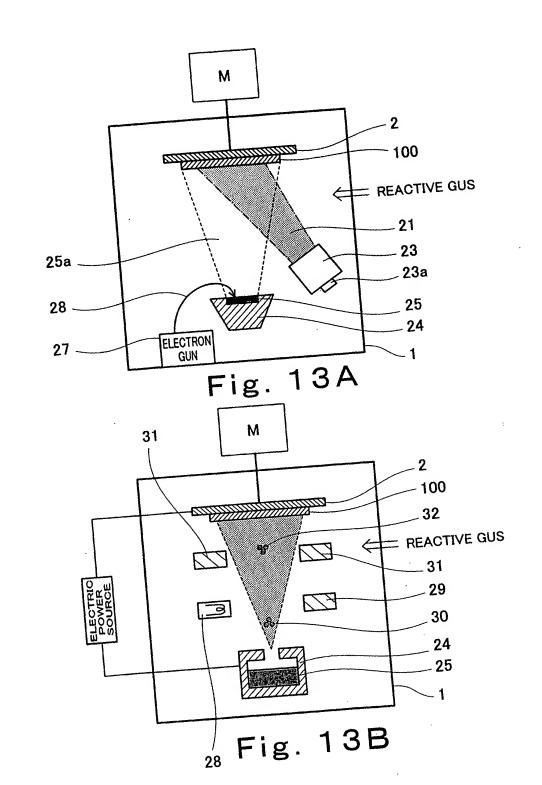


Fig. 12B



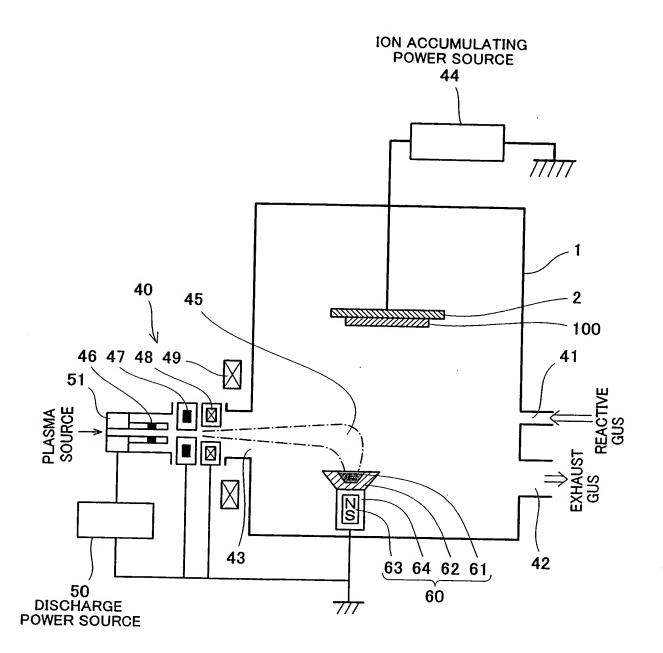


Fig. 14

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